

Re: JSH: What's happening now?

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Source: <http://sci.tech-archive.net/Archive/sci.math/2005-04/msg01633.html>

- *From:* Gib Bogle <bogle@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Tue, 12 Apr 2005 12:28:38 +1200
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David C. Ullrich wrote:

On Sun, 10 Apr 2005 16:32:54 GMT, Felix Rawlings <fraw@xxxxxxxx> wrote:

On Sun, 10 Apr 2005 07:11:48 -0700, jstevh wrote:

Except with people like me, who, if it's easy to work out, can now use the surrogate factoring theorem and factor really big numbers.

OK. What is the prime number decomposition of the following integer?

```
15431856031145175332728672604879981081802972543767297051094769743177
38328212181288715361632657691537849923987029266061969569329027636689
99039296765468882948501532515863157423477368555982691445322282956639
35591245526341416292101811599346897787590240341354170600643967815760
5482422003406343466260187756426805859
```

My algorithm (the one that I'm not going to tell anyone about lest it destroy the world economy) shows that there is a 95% chance that this factors as $3 \cdot 7$.

But do you have a theorem?

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